Artistic Style Transfer

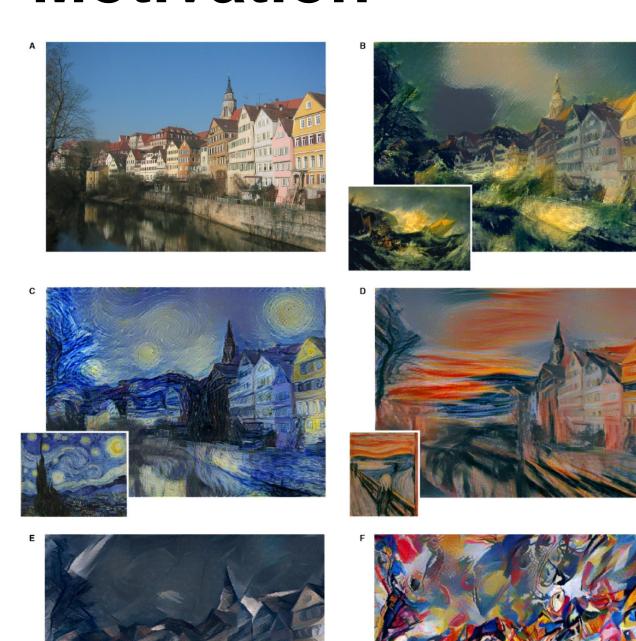
Nicholas Tan, Elias Wang
Department of Electrical Engineering, Stanford University

Motivation

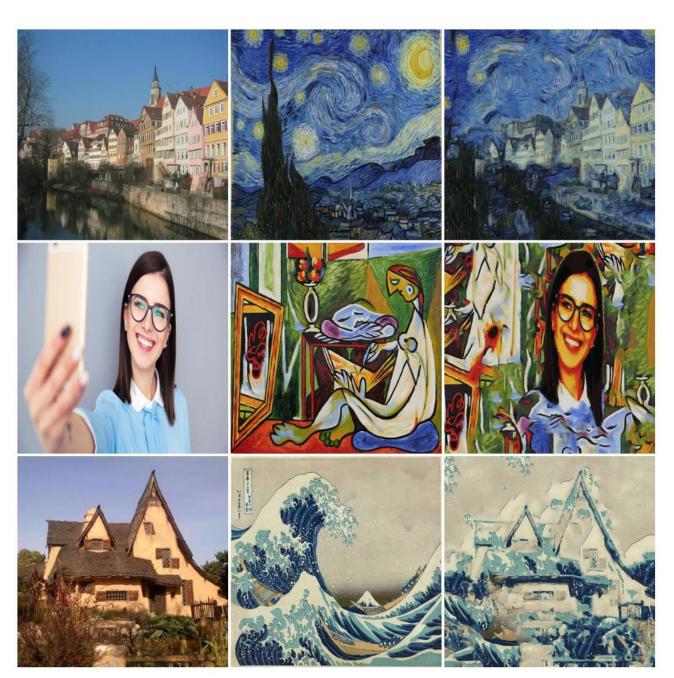
Leon A. Gatys, Alexander S. Ecker, Matthias Bethge

Using a biologically inspired vision model, called "Deep Neural Networks," an artificial system can be trained to learn different styles of painting and subsequently recreate images rendered in that style.

The model is successful because it is able to distinguish between "style" vs. "content"



Related Work



Using a modification (Elad) of Texture-Synthesis (Kwatra), it is possible to get fast and comparable style-transfer results. This method focuses on separating information-poor areas to hallucinate the style and high content areas where it keeps the original image

